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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/007,103	12/04/2001	Shai Abramson	FRND 110	3555	
7590 03/29/2004			EXAMINER		
Pollsinelli, Shalton & Welte, P.C.			MARC, MCDIEUNEL		
c/o Jerome R. Smith 700 W. 47th Street		ART UNIT	PAPER NUMBER		
Suite 1000		3661			
Kansas City, M	4O 64112-1802		DATE MAILED: 03/29/2004	DATE MAILED: 03/29/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		10/007,103	ABRAMSON ET AL.			
		Examiner	Art Unit			
		McDieunel Marc	3661			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
THE   - External after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION.  nsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication, a period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period are to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be tin ly within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a, cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on 24 J	anuary 2004.				
2a) <u></u> □	This action is <b>FINAL</b> . 2b)⊠ This	s action is non-final.				
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Dispositi	on of Claims					
4) ☐ Claim(s) 1-35 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) ☐ Claim(s) is/are allowed.  6) ☐ Claim(s) is/are rejected.  7) ☐ Claim(s) is/are objected to.  8) ☐ Claim(s) 1-35 are subject to restriction and/or election requirement.						
Applicati	on Papers					
9)☐ The specification is objected to by the Examiner.						
10)	10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority u	ınder 35 U.S.C. § 119					
a)[	Acknowledgment is made of a claim for foreign All b) Some * c) None of:  1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureau see the attached detailed Office action for a list	ts have been received. Is have been received in Application It documents have been receive It (PCT Rule 17.2(a)).	on No ed in this National Stage			
Attachmen	t(s)					
1)  Notic 2)  Notic 3)  Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date		(PTO-413) ate. <u>03182004 and 03222</u> . ratent Application (PTO-152)			

## **DETAILED ACTION**

1. Claims 1-35 are presented fore examination and claims 36-62 belongs to application number 10/360,092.

## Election/Restrictions

- 2. Restriction to one of the following inventions is required under 35 U.S.C. 121:
- l. Claims 1-10 and 16-25, drawn to an apparatus for autonomous operation over an area having a drive system; and a controller in communication with said drive system, said controller including a processor programmed to provide at least one scanning pattern for a first portion of said area; analyze said first portion for an opening to a second portion of said area; and signal said drive system to move along a path at least proximate the periphery of said first portion to and through said opening to said second portion of said area, classified in class 700, subclass 260.
- II. Claims 11-15, drawn to a nozzle for suction of particulates comprising: a body, said body including a first end and a second end, said first end including a neck, and said second end including an upper edge and a lower edge defining an opening therebetween; a lip extending at least substantially parallel to said opening along said upper edge and extending at least partially beyond said lower edge of said opening, said lip tapering upward from a portion of greater thickness to portions of lesser thickness, said lip configured for creating a

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flow cavity to be formed with the floor or surface over which said nozzle traverses, classified in

class 239, subclass 15.

III. Claims 26-35, drawn to an obstacle detection system for an autonomous cleaning

machine, classified in class 700, subclass 245.

3. Because these inventions are distinct for the reasons given above and have acquired a

separate status in the art because of their recognized divergent subject matter, restriction for

examination purposes as indicated is proper.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to McDieunel Marc whose telephone number is (703) 305-4478.

The examiner can normally be reached on 6:30-5:00 Mon-Thu.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William A. Cuchlinski, Jr. can be reached on (703) 308-3873. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**McDieunel Marc** 

Monday, March 22, 2004

Monday, March 22, 200

Supervisor, William A. Cuchlinski, Jr. WILLIAM A. CUCHLINSKI, JR.

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